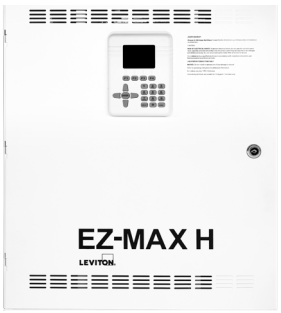
# EZ-MAX® H Relay Control Panels

R08BD-H00




R24BD-H00

## Description

EZ-MAX® H Relay Panels deliver power and performance in compact and cost-effective 8-circuit and 24-circuit models. EZ-MAX H Relay Panels are the ideal solution for smaller, standalone applications that do not require on-site factory commissioning or advanced networking features like GreenMAX® Relay Control Systems.

Leviton EZ-MAX H Relay Control Panels are used for smaller, standalone projects where centralized lighting control, programming and monitoring are required.

For maximum equipment protection, the standard 30A latching relay card has a short circuit current rating (SCCR) of 18,000A at 347V to allow it to withstand higher current inrushes caused by short circuit conditions. The 20A 2-Pole relay has an SCCR of 14,000A at 480V. Low-voltage inputs allow connection of photocells, occupancy sensors, and low-voltage switches for a comprehensive yet easily installed energy management solution.

Designed in a compact, 14.5" x 17" (8-circuit model) or 20" x 24" (24-circuit model) standard electrical enclosure, EZ-MAX H is engineered to be contractor friendly, quick to install and simple to configure.

## Applications

- Smart replacement for time clock/contactor installations
- Low-voltage controls
- Daylight control
- Occupancy sensor integration
- Site lighting
- Parking garage/parking lot lighting
- Retail Stores
- Warehouse Space
- Manufacturing/Industrial

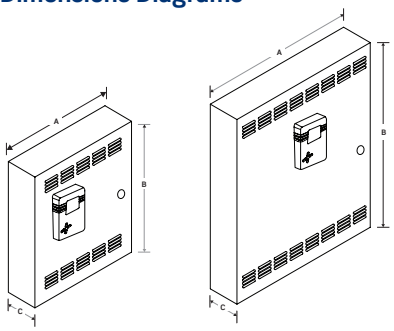
## Features

- LCD user interface with keypad
- 8 and 24 relay panel sizes, relays sold separately
- Astronomical and real time clock for scheduling
  - 4 Open/Close Time Schedules, and 99 holidays (including recurring U.S. holidays)
- Each relay card includes one low voltage input
- Upload or save programming via removable SD memory card
- Panels have hinged locking doors
- Keypad user interface mounted on exterior of door
- Knockouts on top and bottom for low voltage and line voltage feeds
- NEMA 1 surface mount enclosure
- UL916, UL924 and cUL listed
- 5 year limited warranty

## Panel Support

- 64 schedules—ON, OFF, ON/OFF
- 32 groups of any or all relays
- 6 outdoor scenarios
  - Templates can be programmed with the inputs and groups to be controlled
- 18 indoor scenarios
- Simple architecture—user defined inputs (motion sensor, photocell, switch) and actuator (relay) groups
- Users can specify if the schedule is an ON schedule, OFF schedule, or ON/OFF schedule
  - Users specify which group is being controlled and when the event should occur

## Dimensions Diagrams




| | R08BD-H00 | R24BD-H00 |
|---|---|---|
| A | 14.5" (383.3mm) | 20" (508mm) |
| B | 17" (431.8mm) | 24" (609.6mm) |
| C | 4" (101.6mm) | 4" (101.6mm) |

**Leviton Manufacturing Co., Inc. Lighting & Controls**
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004
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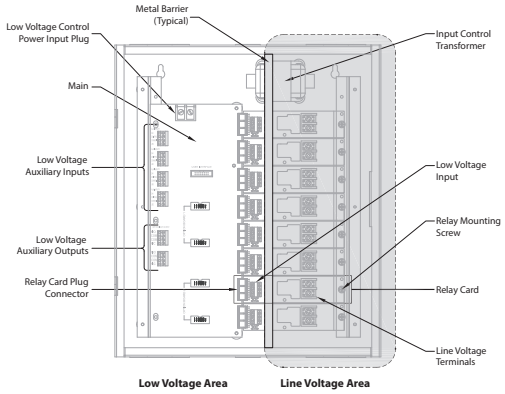
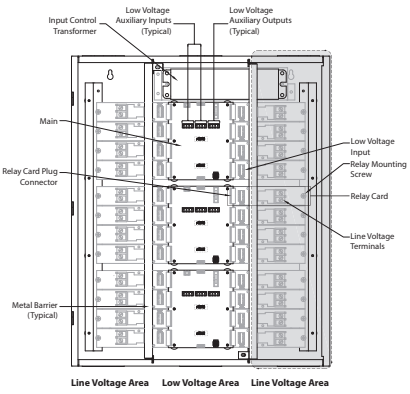
# Product Data
## RELAY-XXX

## Panel Interiors




8 Relay*




24 Relay*

*Relays sold separately

## Specifications

| | |
|---|---|
| **Electrical** | |
| 8 Relay | 24VDC, 150mA (max. 300mA) |
| 24 Relay | 24VDC, 150mA (max. 900mA) |
| RELAY-L3H | 120/277/347VAC (50/60Hz) |
| RELAY-2PH | 208/240/480VAC (50/60Hz) |
| Wire Size | 14, 16, 18, 20, 22 AWG |
| Recommended Tightening Torque | 0.45 N-m (4 in-lbs.) |
| **Operation** | |
| Green Indicator Light | On panel motherboard -indicates panel is receiving power; On relay card - Indicates relay is in the closed position |
| Red Indicator Light | On the relay card - dependent on input status and programming |
| **Environmental** | |
| Operating Temperature | 32° to 112° F (0° to 50°C) |
| Relative Humidity | 10% - 90% (non-condensing) |
| **Construction** | |
| Enclosure | NEMA 1 surface mount, indoor use only |
| **Other** | |
| Listings | UL916, CAN/CSA C22.2 No. 205 |
| Weight | R08BD: 21lbs (empty); R24BD: 41.3 lbs (empty) |
| Energy Codes | Can be used to comply with IECC, ASHRAE 90.1 and 2022 Title 24, Part 6 occupancy/vacancy sensing, scheduling, and receptacle control requirements |
| Warranty | 5-Year Limited |

## Ordering Information

| EZ-MAX H Relay Panels | |
|---|---|
| **Cat. No.** | **Description** |
| R08BD-H00 | EZ-MAX H Relay Panel 8-Circuit, relays purchased separately |
| R24BD-H00 | EZ-MAX H Relay Panel 24-Circuit, relays purchased separately |
| RELAY-L3H | 1-Pole Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC Elect. Ballast; 18K SCCR @347VAC |
| RELAY-2PH | 2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC |
| **Accessories** | |
| RGBAR-EZH | Relay circuit barrier for EZ-MAX H Series lighting control panel |
| 00LVS-xxW | Low Voltage Switches, White |
| PCOUT-000 | Outdoor Photocell, 0-10V, 0-250 fc |
| PCIND-000 | Indoor Photocell, 0-10V, 0-100 fc |
| PCATR-000 | Atrium Photocell, 0-10V, 0-1000 fc |
| PCSKY-000 | Skylight Photocell, 0-10V, 0-2000 fc |

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